Performance Data Sheet

RGA5485BAA

General Information

Model	RGA5485BAA	**Refrigerant**	R-410A
Test Condition	ASHRAE	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	-6.7°C (20°F) SUPERHEAT	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	2680	2670					
	Watts	464	499					
	Amps	4.73	5.02					
	Lb/h	34.9	34.6					
-10	Btu/h	3140	3070	2990				
	Watts	476	516	556				
	Amps	4.84	5.16	5.49				
	Lb/h	39.8	39.2	38.6				
-5	Btu/h	3670	3530	3390	3250			
	Watts	485	529	574	620			
	Amps	4.92	5.28	5.65	6.02			
	Lb/h	45.4	44.6	43.7	42.8			
0	Btu/h	4250	4050	3840	3640	3440		
	Watts	491	539	589	639	691		
	Amps	4.98	5.37	5.78	6.19	6.61		
	Lb/h	51.6	50.5	49.4	48.3	47.1		
5	Btu/h	4880	4620	4360	4090	3820		
	Watts	494	547	601	656	712		
	Amps	5.01	5.44	5.89	6.34	6.80		
	Lb/h	58.5	57.2	55.8	54.5	53.0		
10	Btu/h	5580	5250	4930	4600	4270	3930	3600
	Watts	495	552	611	670	730	791	853
	Amps	5.02	5.49	5.97	6.46	6.96	7.46	7.98
	Lb/h	66.0	64.5	62.9	61.3	59.6	57.9	56.1
15	Btu/h	6340	5950	5550	5160	4770	4370	3970
	Watts	493	555	618	681	746	811	878
	Amps	5.01	5.52	6.04	6.56	7.10	7.64	8.19
	Lb/h	74.2	72.4	70.6	68.8	66.9	64.9	62.9
20	Btu/h	7160	6700	6240	5790	5330	4870	4410
	Watts	489	555	622	690	759	829	899
	Amps	4.97	5.52	6.08	6.64	7.21	7.79	8.38
	Lb/h	83.1	81.1	79.0	76.9	74.8	72.6	70.4

25	Btu/h	8040	7520	7000	6470	5950	5420	4900
	Watts	483	553	625	697	770	844	919
	Amps	4.92	5.51	6.10	6.70	7.31	7.93	8.55
	Lb/h	92.6	90.4	88.1	85.7	83.4	80.9	78.5
30	Btu/h	8990	8400	7810	7220	6630	6040	5450
	Watts	474	549	625	701	779	857	936
	Amps	4.85	5.47	6.10	6.74	7.39	8.04	8.70
	Lb/h	103	100	97.8	95.2	92.6	89.9	87.2
35	Btu/h	10000	9340	8690	8030	7380	6720	6060
	Watts	464	543	623	704	785	868	951
	Amps	4.76	5.42	6.09	6.76	7.44	8.13	8.83
	Lb/h	114	111	108	105	103	99.6	96.6
40	Btu/h	11100	10300	9630	8900	8180	7460	6740
	Watts	452	536	620	705	790	877	964
	Amps	4.65	5.35	6.06	6.77	7.49	8.21	8.95
	Lb/h	125	122	119	116	113	110	107
45	Btu/h	12200	11400	10600	9840	9050	8270	7480
	Watts	438	526	614	703	793	884	976
	Amps	4.53	5.27	6.01	6.75	7.51	8.27	9.04
	Lb/h	138	134	131	128	124	121	117
50	Btu/h	13400	12600	11700	10800	9990	9140	8280
	Watts	423	515	608	701	795	889	985
	Amps	4.39	5.16	5.94	6.73	7.52	8.31	9.12
	Lb/h	151	147	144	140	136	133	129
55	Btu/h	14700	13800	12800	11900	11000	10100	9150
	Watts	406	502	599	696	794	893	993
	Amps	4.23	5.04	5.86	6.68	7.51	8.34	9.19
	Lb/h	165	161	157	153	149	145	141

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	5.823233E+03	1.110233E+02	1.891432E+00	5.925709E+01
C2	2.246442E+02	-6.344815E+00	-5.380611E-02	1.700772E+00
C3	-1.974806E+01	4.771612E+00	3.881709E-02	-9.757350E-02
C4	1.259824E+00	-5.007105E-02	-4.547392E-04	1.393819E-02
C5	-1.306639E+00	9.266872E-02	8.028059E-04	-5.195832E-03
C6	3.350277E-03	-1.999487E-03	-1.901075E-05	1.275622E-04
C7	1.291316E-03	1.716975E-04	1.139852E-06	6.739790E-06
C8	-1.096129E-03	-5.225244E-05	-1.728250E-07	-9.066864E-06
C9	2.501988E-04	-2.149808E-05	-2.484299E-07	3.378146E-06
C10	-3.744267E-05	2.075493E-05	1.962288E-07	-1.329225E-06

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature